

NEW WORK ITEM PROPOSAL

Proposer Secretary TC80	Date of proposal 2000-05-22
TC/SC TC80	Secretariat UK
Date of circulation 2000-06-02	Closing date for voting 2000-09-15

A proposal for a new work item within the scope of an existing technical committee or subcommittee shall be submitted to the Central Office. The proposal will be circulated to the P-members of the technical committee or subcommittee for voting, and to the O-members for information. The proposer may be a National Committee of the IEC, the secretariat itself, another technical committee or subcommittee, an organization in liaison, the Committee of Action or one of the advisory committees, or the General Secretary. Guidelines for proposing and justifying a new work item are given in ISO/IEC Directives, Part 1, Annex C (see extract overleaf). **This form is not to be used for amendments or revisions to existing publications.**

The proposal (to be completed by the proposer)

Title of proposal

IEC 61097-x: Global Maritime distress and safety system (GMDSS) - Part x: Inmarsat-F ship earth station equipment - Operational and performance requirements, methods of testing and required test results.

<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Technical Report
--	---

Scope (as defined in ISO/IEC Directives, Part 3, 6.2.1)

To develop an International standard for the new Inmarsat-F ship earth station which is intended to be used at sea within the GMDSS system and for normal communications.

Purpose and justification, including the market relevance and relationship to Safety (Guide 104), EMC (Guide 107), Environmental aspects (Guide 109) and Quality assurance (Guide 102) . (attach a separate page as annex, if necessary)

This new Inmarsat terminal is designed to be used at sea for GMDSS and normal communications. It provides the following capabilities, voice at 4.8kb/s, a fax at 2.4kb/s, high speed data at 56/64 kb/s and Packet Data (IPDS). It is designed to comply with all directly applicable parts of IMO resolution A.888(21) and to comply with the GMDSS

Target date	for first CD 2000-11-01	for IS 2002-06-01
Estimated number of meetings 4	Frequency of meetings 3 per year	Date and place of first meeting: N/a.....
Proposed working methods	<input checked="" type="checkbox"/> E-mail	<input type="checkbox"/> ftp

Relevant documents to be considered
61097-10

Relationship of project to activities of other international bodies

Liaison organizations CIRM - IALA - IMO - ICS - ITU - & RTCM	Need for coordination within ISO or IEC None
---	---

Preparatory work

Check one of the two following boxes

☐ A draft is attached for vote and comment ☒ An outline is attached

We nominate a project leader as follows in accordance with ISO/IEC Directives, Part 1, 2.3.4 (name, address, fax and e-mail): Mr John Hough, Inmarsat, 99 City Rd, LONDON EC1Y 1AX, Fax +44 7728 1174, e-mail john_hough@inmarsat.com

Concerns known patented items (see ISO/IEC Directives, Part 2)
☐ yes ☒ no

If yes, provide full information as an annex

Name and/or signature of the proposer
M A Rambaut

Comments and recommendations from the TC/SC officers

Comments with respect to the proposal in general, and recommendations thereon		
1) Work allocation <input type="checkbox"/> Project team <input type="checkbox"/> New working group <input checked="" type="checkbox"/> Existing working group no:		
2) Draft suitable for direct submission as <input type="checkbox"/> CD <input type="checkbox"/> CDV		
3) General quality of the draft (conformance with ISO/IEC Directives, Part 3) <input type="checkbox"/> Little redrafting needed <input type="checkbox"/> Substantial redrafting needed <input type="checkbox"/> no draft (outline only)		
4) Relationship with other activities In IEC In other organizations		
Other remarks		
Remarks from the TC/SC officers Attached is the table of contents of IEC 61097-10 (Inmarsat-B). It is proposed that the new standard is based on this standard. Copies of the existing IEC 61097-10 (1999) can be obtained on request from IEC national committees and from the IEC Central Office		
Remarks from the Sector Board		

Elements to be clarified when proposing a new work item**Title**

Indicate the subject matter of the proposed new standard.

Indicate whether it is intended to prepare a standard, a technical report or an amendment to an existing standard.

Scope

Give a clear indication of the coverage of the proposed new work item and, if necessary for clarity, exclusions.

Indicate whether the subject proposed relates to one or more of the fields of safety, EMC, the environment or quality assurance.

Purpose and justification

Give details based on a critical study of the following elements wherever practicable.

- The specific aims and reason for the standardization activity, with particular emphasis on the aspects of standardization to be covered, the problems it is expected to solve or the difficulties it is intended to overcome.
- The main interests that might benefit from or be affected by the activity, such as industry, consumers, trade, governments, distributors.
- Feasibility of the activity: Are there factors that could hinder the successful establishment or general application of the standard?
- Timeliness of the standard to be produced: Is the technology reasonably stabilized? If not, how much time is likely to be available before advances in technology may render the proposed standard outdated? Is the proposed standard required as a basis for the future development of the technology in question?
- Urgency of the activity, considering the needs of the market (industry, consumers, trade, governments etc.) as well as other fields or organizations. Indicate target date and, when a series of standards is proposed, suggest priorities.
- The benefits to be gained by the implementation of the proposed standard; alternatively, the loss or disadvantage(s) if no standard is established within a reasonable time. Data such as product volume or value of trade should be included and quantified.
- If the standardization activity is, or is likely to be, the subject of regulations or to require the harmonization of existing regulations, this should be indicated.

If a series of new work items is proposed, the purpose and justification of which is common, a common proposal may be drafted including all elements to be clarified and enumerating the titles and scopes of each individual item.

Relevant documents

List any known relevant documents (such as standards and regulations), regardless of their source. When the proposer considers that an existing well-established document may be acceptable as a standard (with or without amendments), indicate this with appropriate justification and attach a copy to the proposal.

Cooperation and liaison

List relevant organizations or bodies with which cooperation and liaison should exist.

Preparatory work

Indicate the name of the project leader nominated by the proposer.

CONTENTS

	Page
FOREWORD	3
Clause	
1 Scope	4
2 Normative references	4
3 Definitions and abbreviations.....	5
3.1 Definitions.....	5
3.2 Abbreviations	6
4 General and operational requirements	6
4.1 General.....	6
4.2 General requirements.....	6
4.3 Operational requirements for Inmarsat-B maritime class 1 SES	7
4.4 Inter-operability	8
4.5 Interfaces.....	8
4.6 Safety	8
4.7 Equipment manual	8
4.8 Marking and identification.....	9
4.9 Maintenance	9
5 Technical characteristics	9
5.1 Purpose	9
5.2 General.....	9
5.3 Power supply	10
6 Methods of testing and required test results.....	10
6.1 General.....	10
6.2 Performance testing	10
6.3 Environmental testing.....	12
6.4 Electromagnetic compatibility	12
6.5 General tests	13
6.6 Operational tests.....	13
6.7 Power supply	14
Annex A (normative) Requirements relating to installation.....	15
Annex B (informative) Reception of maritime safety information (MSI)	16
Annex C (informative) Inmarsat-B spot beam scanning	18